USCMS Engineer Status Report for November 2003

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December 12, 2003

1 Work Performed This Month

1. VO project:

(1). A java connector (basically a web service class) has been written to write information from Tanya's VOMRS to EDG VOMS. The code has been delivered to Tanya. She used it to pass the VOMRS info into VOMS. (2). New version of EDG VOMS and EDG VOMS-Admin have been installed on a test machine called shahzad.fnal.gov. Both products seem work fine. It took me a couple of days to configure the VOMS-Admin package due to the unclear documentation on installation and configuration. I have e-mailed the developer on this. (3). The voms client program has been given to Bockjoo for packaging into the DPE 2.4. (4). Continued with the VOX debug and demo to find bugs, documentation, etc. (5). During SC2003, I helped with Nickolai Kouropatkine with the gatekeeper problem on ramen—which was a library problem with the callout module after installing RLS.

2. Configuration monitoring:

(1). I finished coding to archive the old configuration info in the confmon tool. And it only does the update when there is a change in the configuration info. (2). I implemented a servlet filter service which can parse out user DN info and check if the DN exists in the grid-mapfile—if yes, authorizes the user to view the info; if not, fails the request. It utilizes the edg-java-security package with Tomcat. Quite some time was spent to study the JClarens authorization mechanism. It seems the solution can not be used due to the mistake made by Ashiq Anjum in mixing the concepts of VOMS and local authorization mechanism. (3). Some changes have been made to the web

interface on configuration monitoring tool to make it better. (4). A new release on confmon which contains new set of parameters needed by MOP. This new release has gone into DPE24. (Since MOP variable changes once in a while, I am thinking to design a new way to release mop variables). (5). I spent some time to prepare for the ACAT03 presentation.

2   Status of Deliverables

1. VO project: the java connector between Tanya's VOMRS and EDG VOMS has been finished. 2. Configuration monitoring tool: (1). plan to implement the web service on the client side so that client can update the status and get the information from the configuration monitoring database; (2). I had some idea on VO resource reservation, scheduling—I talked with Iosif during the ACAT03 conference who showed great interest—I plan to discuss further and to see if we can deliver something;

3   Plans For Next Month

1. VO project: (1). I plan to try new version of VOMS just released which supports for AC (RFC 3281 Attribute Certificates). (2). Learn Java Ant and web services and help to automate the generation of WSDL file—Tanya wrote it manually right now. Will help John Weigand with his new database work on VOX. (3). Install the new version of VOMS+VOMS-admin on hotdog63.fnal.gov when the bugs are all solved—may have to delay.

2. Configuration monitoring:

(1). Improve the web interface on the administration side; (2). Implement the web service on the client side so that a client can update the status and get the information from the configuration monitoring database; (3). Write a web page on configuration monitoring tool—several people have asked me about this.

3. McRunJob: Greg asked me to implement a McRunJob Contexts DB with user access. I will spend some time to learn McRunJob, what the McRunJob contexts are, and begin to do a first design.

4   Longer Term Plans

Need to discuss with the management.

5   Resources Needed

None.

6   Links To Supporting Documentation

- 1.Configuration Monitoring web page:

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- https://yamashita.fnal.gov:8443/uscms/index_users.html

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- 2.VOMS:

- https://shahzad.fnal.gov:8443/edg-voms-admin/uscms/webui/Admin